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Appl. No. 09/522,416

Amendments

Please enter the following amendments. Marked-up portions of the Application showing changes made may be found in an attached Appendix.

In the Specification:

Please replace the paragraph beginning at Page 6, line 1 with the following rewritten paragraph:

Active Notebook (Torrance) allows users to label information with conceptual classifications and to organize them into a taxonomy for later browsing and retrieval. The focus of Torrance's work is on clustering documents and identifying morphological concepts (keywords). Torrance does not deal with aspects of sharing such as replication, privacy and user interface.

Please replace the paragraph beginning at Page 8, line 11 with the following rewritten paragraph:

There is, accordingly, a need in the art to provide a technique, which enables one to manage and possibly share objects among users, and which substantially overcomes the limitations of hitherto known techniques. There is a further need in the art to provide a system that enables one to manage objects also in a single user environment.

Please replace the paragraph beginning at Page 11, line 21 with the following rewritten paragraph:

B³
computer readable program code for causing the computer to provide a set of containers,
each associated with attributes from among said set;

*Please replace the paragraph beginning at Page 11, line 27 with the following rewritten
paragraph:*

B⁴
computer readable program code for causing the computer to selectively display, through
a user interface, at least one container; an object is displayed in said container if a condition is
met; the condition is applied to at least the following: at least one of the attributes of the
container and at least one of the attributes of the object.

*Please replace the three paragraphs beginning at Page 12, line 20 with the following
rewritten paragraphs:*

- Privacy: users may easily define some URLs (and possibly attributes) as private. Privately marked URLs are encrypted in the server and in the replicas of that user, so that access is possible only using the key of the user. *Privacy* may be regarded as an attribute that is associated with selected folders. Bookmarks can be dynamically assigned to folders, and by the preferred embodiment they inherit the attributes of the folder. Thus bookmarks that are assigned to *private* folders inherit the privacy attribute. Other attributes may be assigned to folders such as, for example, *History*, signifying that bookmarks associated to this folder have just been recently used. Another non-limiting example is *Hot* attribute associated to a folder that includes all those bookmarks which have just been recently added to folders.

- Simple, familiar view user interface: the implementation uses a familiar tree folder structure user interface, allowing the user to perform common operations with click and drop user interface. The approach resembles a known user interface, such as, for example, in the MICROSOFT™ Folder Explorer file system interface utility, and therefore reduces the time it takes to become familiar with the user interface. The *drag and drop* operation is utilized by one embodiment to assign attributes to bookmarks. Having mapped the bookmark to a *B⁵* folder the attributes of the folder are automatically assigned to the bookmark.
- Display of bookmarks in folders through familiar user interface. As will be explained in greater detail below, assignment of attributes to bookmarks, e.g. by drag and dropping the specified bookmark to a folder, does not necessarily mean that the bookmark will be displayed in the specified folder. As will be elaborated in greater detail below, in order for the bookmark to be displayed in the folder, it must meet a condition(s) that is (are) applied to the attributes of the container and the bookmark.

Please replace the paragraph beginning at Page 14, line 17 with the following rewritten paragraph:

B⁶ Fig. 5 illustrates an exemplary attributes dialog box, in accordance with an embodiment of the invention;

Please replace the paragraph beginning at Page 15, line 6 with the following rewritten paragraph:

A very popular interface for viewing bookmarks (as well as files, mail messages, etc.), is using a tree of folders, e.g. in accordance with the Microsoft™ File Explorer file system interface utility's user interface. In many applications, browsing the tree is a better way to look for the right bookmark, rather than doing a textual search in the database. However, organizing shared
B7 bookmarks into folders is difficult. The same URL may be relevant to more than one folder; furthermore, the different users may prefer different arrangements of folders (e.g., one user prefers top level folder "music" and sub-folder "shopping", whereas another user prefers the other way around, i.e. top level folder "shopping" and sub-folder "music"), or simply a different name for folders (e.g., "find" and "search").

Please replace the paragraph beginning at Page 16, line 21 with the following rewritten paragraph:

B8 The set of attributes is used to display bookmarks in, say, a tree of folders. A bookmarks displayed in a folder (or folders) if a condition is met. The condition is applied to at least the following: at least one of the attributes of the folder and at least one of the attributes of the bookmark. By a specific embodiment a bookmark is displayed in a folder if the bookmark and the folder share a common attribute.

Please replace the three paragraphs beginning at Page 17, line 4 with the following rewritten paragraphs:

For a better understanding, attention is now directed to Figs. 1A-1B, illustrating a sample user interface represented as a tree of folder, in accordance with one embodiment of the invention.

Thus, the user interface 11 in Fig. 1A represented as a tree of folders (for, say, a first user in the community or a single user in a stand-alone environment) is similar to the known Microsoft™ File Explorer file system interface utility's tree representation. Each folder (e.g. "books" (12)) is associated with attributes and by this particular embodiment "shopping" and "book" (13). In the user interface of Fig. 1A, attributes are embraced by square brackets. Sample folder tree 14 in Fig. 1B represents the user interface for, say, a second user in the community.

The list of URLs (or bookmarks) that corresponds to a given folder is stored in the specified folder (not shown in Figs. 1A and 1B), similar to files that belong to a given folder in the Microsoft™ Windows Explorer file system interface utility.

Please replace the paragraph beginning at Page 20, line 2 with the following rewritten paragraph:

After having assigned attributes to both the bookmarks and the folders, the bookmarks can be displayed. Bookmarks are displayed through a user interface, as illustrated e.g. in Figs. 1A-1B, and are organized e.g., into a tree of folders. Each folder has a name and is assigned with one or more attributes (taken from the set of attributes). As described above, attributes are also assigned to each bookmark. By a preferred embodiment, if the folder contains a sub-folder, and

B 10 the bookmark has also the attributes of the sub-folder, the bookmark is only displayed in the sub-folder (as a finer categorization). This logic is implemented by the following rule:

Please replace the paragraph beginning at Page 20, line 20 with the following rewritten paragraph:

As specified above, a bookmark is displayed in a folder if a condition is met. By this specific example the condition includes a sub-condition that stipulates that an attribute (at least one) assigned to the bookmark is contained in the attributes of the folder in which the bookmark is displayed. The condition further includes a sub-condition stipulating that the bookmark does not appear in any folder contained in this folder.

Please replace the paragraph beginning at Page 21, line 3 with the following rewritten paragraph:

As specified above, in accordance with the invention there is provided a user interface for enabling dynamic assignment of attributes to objects. In accordance with a preferred embodiment, using the same interface of Figs. 1A-1B, a drag and drop operation is used in order to insert/delete a bookmark. Thus, by this embodiment, upon dragging a URL into a folder, the URL inherits the attributes of that folder. The operation is simple and intuitive.

Please replace the paragraph beginning at Page 21, line 29 with the following rewritten paragraph:

B 13 The consequence of a single drag and drop operation is further exemplified with reference to Figs. 3A-3D. Fig. 3A illustrates five user views (31 to 35). Having dragged and dropped item

*B*¹³ 1 -- say, a bookmark (36 in Fig. 3B) to View 5, *item 1* is assigned with the attributes 1, 2, and 4.

Consequently, *item 1* is automatically assigned to view 1 (31 - due to attributes 1 and 2), view 3 (33 - due to attribute 4) and view 4 (34 - due to attribute 1). The update among the views is implemented in a manner that is described in detail below.

Please replace the paragraph beginning at Page 27, line 12 with the following rewritten paragraph:

*B*¹⁴ “Global” attributes, which, as specified above, are shared among all the community users, are owned by the server (root), whereas “Local” and “Submit” attributes are owned by the corresponding client (user).

Please replace the paragraph beginning at Page 27, line 23 with the following rewritten paragraph:

*B*¹⁵ Turning now to the client, the user interface (shown in Figure 6) is used to access bookmarks and to add bookmarks to the community’s collection. Its appearance resembles the Microsoft™ Windows Explorer file system interface utility. The client also enables the user to perform tasks such as editing the tree, assigning attributes to folders or bookmarks, opening a bookmark in the active browser window, and so forth.

Please replace the paragraph beginning at Page 31, line 24 with the following two rewritten paragraphs: